

Abstract of the Disclosure

A communication system and method for enhancing the effectiveness of wireless and wired systems. The communication system comprising a combination of (A) a communication device with two separate transceivers and a unique access number (B) said transceivers with a short-range wireless or wired transceiver and long-range wireless transceiver, (C) a communication management system from the group of local communication management system for individual coordinated device connectivity, distributed communication management system for management of multiple communication devices, (D) said communication management system performing dynamic switching of communication transceivers and dynamic addressing of communication devices within the network of communication devices. Suitable wireless medium include wireless optical means, wireless power-line carrier means, wireless radio-frequency means, and wireless radar means. Suitable wired medium include serial, parallel, USB, Firewire, Ethernet, optical fiber, and RS-485 communication means. The communication management system ensures seamless and ubiquitous communication between wired and wireless devices. The communication system, when utilizing dynamic communication for wireless or wired roaming communications in-conjunction with dynamic switching and addressing, enhances the performance and effectiveness that are beneficial to most communication devices.